

CLAIMS

1. A patch formulation for external use, characterized by comprising a basic drug, an organic acid and an organic acid salt as essential components.

2. The patch formulation for external use according to claim 1, characterized in that the basic drug is an acid addition salt thereof.

3. The patch formulation for external use according to claim 1, characterized in that the organic acid is a carboxylic acid having carbon atoms of 2 to 7.

4. The patch formulation for external use according to claim 1 or 3, characterized in that the organic acid is at least one acid selected from the group consisting of acetic, lactic, tartaric, citric, malic, benzoic and salicylic acids.

5. The patch formulation for external use according to claim 1, characterized in that the organic acid salt is a metal salt of a carboxylic acid.

6. The patch formulation for external use according to claim 1 or 5, characterized in that the organic acid salt is sodium acetate.

7. The patch formulation for external use according to claim 1, characterized by comprising 0.1 to 20% by weight of the basic drug, 0.01 to 20% by weight of the organic acid and 0.01 to 20% by weight of the organic acid salt, based on the total weight of the composition of the adhesive layer.

8. The patch formulation for external use according to claim 2, characterized in that the ratio of the acid addition salt

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of the basic drug to the organic acid salt, ranges from 5:1 to 1:5 (by equivalent ratio).

9. The patch formulation for external use according to claim 2, characterized in that the ratio of the acid addition salt of the basic drug to the organic acid, ranges from 5:1 to 1:5 (by equivalent ratio).

10. The patch formulation for external use according to claim 1, characterized in that the ratio of the organic acid to the organic acid salt, ranges from 3:1 to 1:20 (by equivalent ratio).

11. The patch formulation for external use according to claim 2, characterized in that the acid addition salt of the basic drug is at least one agent selected from the group consisting of hypnotics/sedatives, antipyretic anti-inflammatory analgesics, antimigraine agents, stimulants/antihypnotics, anti-psychoneurotics, local anesthetics, agents for urinary organs, skeletal muscle relaxants, agents for autonomous nerves, anti-Parkinsonian agents, antihistamines, bronchodilators, cardiotonics, coronary vasodilators, peripheral vasodilators, agents for circulatory organs, antiarrhythmics, antiallergics, antidizzying agents, anti-serotonin-receptor antiemetics and narcotic analgesics.

12. A patch formulation for external use, characterized in that said patch formulation is obtained with a basic drug, an organic acid and an organic acid salt as essential components.

13. The patch formulation for external use according to claim

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12, characterized in that the basic drug is an acid addition salt thereof.

14. The patch formulation for external use according to claim 12, characterized in that the organic acid is a carboxylic acid having carbon atoms of 2 to 7.

5 15. The patch formulation for external use according to claim 12, characterized in that the organic acid salt is a metal salt of a carboxylic acid.

10 16. The patch formulation for external use according to claim 12, characterized in that the patch formulation is obtained by using 0.1 to 20% by weight of the basic drug, 0.01 to 20% by weight of the organic acid and 0.01 to 20% by weight of the organic acid salt, based on the total weight of the composition of the adhesive layer.

15 17. The patch formulation for external use according to claim 13, characterized in that said patch formulation is obtained with the ratio of the acid addition salt of the basic drug to the organic acid salt, ranging from 5:1 to 1:5 (by equivalent ratio).

20 18. The patch formulation for external use according to claim 13, characterized in that said patch formulation is obtained with the ratio of the acid addition salt of the basic drug to the organic acid, ranging from 5:1 to 1:5 (by equivalent ratio).

25 19. The patch formulation for external use according to claim 12, characterized in that said patch formulation is obtained with the ratio of the organic acid to the organic acid salt, ranging from 3:1 to 1:20 (by equivalent ratio).

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20. The patch formulation for external use according to claim 13, characterized in that the acid addition salt of the basic drug is at least one agent selected from the group consisting of hypnotics/sedatives, antipyretic anti-inflammatory analgesics, antimigraine agents, stimulants/antihypnotics, anti-psychoneurotics, local anesthetics, agents for urinary organs, skeletal muscle relaxants, agents for autonomous nerves, anti-Parkinsonian agents, antihistamines, bronchodilators, cardiotonics, coronary vasodilators, peripheral vasodilators, agents for circulatory organs, antiarrhythmics, antiallergics, antidizzing agents, anti-serotonin-receptor antiemetics and narcotic analgesics.

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